

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 15. (Cancelled)

16. (Currently Amended) The apparatus for producing wine of claim ~~21~~ 22, further comprising one or more temperature measuring devices.

17. – 21. (Cancelled)

22. (Currently Amended) ~~The apparatus for producing wine of claim 21,~~
An apparatus for producing wine, comprising:

a harvest reception vessel;

a press coupled to the harvest reception vessel via a first connection line,
wherein a first quantity of grapes from the harvest reception vessel is
transported to the press via the first connection line;

a maceration vessel coupled to the harvest reception vessel via a second
connection line, wherein a second quantity of grapes from the harvest reception
vessel is transported to the maceration vessel via the second connection line; and

a controller, wherein the controller controls a supply of a gaseous carbon
dioxide and a supply of a liquid carbon dioxide to the first and second connection
lines and wherein the controller interrupts the supply of the carbon dioxide if a
temperature of the grapes falls below 7°C;

wherein the controller controls the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines by varying a position of a first valve associated with the gaseous carbon dioxide and a second valve associated with the liquid carbon dioxide.

23. (Previously Presented) The apparatus for producing wine of claim 22, wherein the varying of the position of the first valve associated with the gaseous carbon dioxide and the second valve associated with the liquid carbon dioxide varies a temperature of the first and/or second connection lines.

24. (Previously Presented) The apparatus for producing wine of claim 22, wherein when the position of the first valve associated with the gaseous carbon dioxide is open and the position of the second valve associated with the liquid carbon dioxide is closed, a highest temperature is reached.

25. (Previously Presented) The apparatus for producing wine of claim 22, wherein when the position of the first valve associated with the gaseous carbon dioxide is closed and the position of the second valve associated with the liquid carbon dioxide is open, a coldest temperature is reached.

26. (Previously Presented) The apparatus for producing wine of claim 22, wherein when a process of the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide is started, the position of the first valve associated with the gaseous carbon dioxide is open and the position of the second valve associated with the liquid carbon dioxide is closed.

27. (Previously Presented) The apparatus for producing wine of claim 22, wherein the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines is controlled by a third valve associated with the first connection line and a fourth valve associated with the second connection line.

28. (Currently Amended) ~~The process of claim 1,~~ A process to cool harvest grapes comprising the steps of transporting the grapes to a press via a first connection line or to a maceration vessel via a second connection line,

controlling a supply of a gaseous carbon dioxide and a supply of a liquid carbon dioxide to the first and second connection lines by a controller, and detecting the temperature of the grapes, wherein the supply of carbon dioxide is interrupted if the temperature of the grapes falls below 7°C and further comprising a macerating step which lasts only a few hours;

wherein the controller controls the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines by varying a position of a first valve associated with the gaseous carbon dioxide and a second valve associated with the liquid carbon dioxide.

29. (Previously Presented) The process of claim 28, wherein the varying of the position of the first valve associated with the gaseous carbon dioxide and the second valve associated with the liquid carbon dioxide varies a temperature of the first and/or second connection lines.

30. (Previously Presented) The process of claim 28, wherein when the position of the first valve associated with the gaseous carbon dioxide is open and the position of the second valve associated with the liquid carbon dioxide is closed, a highest temperature is reached.

31. (Previously Presented) The process of claim 28, wherein when the position of the first valve associated with the gaseous carbon dioxide is closed and the position of the second valve associated with the liquid carbon dioxide is open, a coldest temperature is reached.

32. (Previously Presented) The process of claim 28, wherein when a process of the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide is started, the position of the first valve associated with the gaseous carbon dioxide is open and the position of the second valve associated with the liquid carbon dioxide is closed.

33. (Previously Presented) The process of claim 28, wherein the supply of the gaseous carbon dioxide and the supply of the liquid carbon dioxide to the first and second connection lines is controlled by a third valve associated with the first connection line and a fourth valve associated with the second connection line.